Special Issue

Fractional-Order Circuits & Systems Design and Applications

Message from the Guest Editors

The purpose of this Special Issue is to gather original research articles reflecting the latest developments in both theory and applications of fractional order circuits. The areas of interest include, but are not limited to, modelling of electrical and electronic devices like the new generation of ultracapacitors, batteries, fuel cells, analog modelling of constant and variable order operators and systems, fractional order filters, analysis, synthesis, and design methods for circuits with fractional order elements

Guest Editors

Dr. Dražen Jurišić Faculty of Electrical Engineering and Computing, University of Zagreb, HR-10000 Zagreb, Croatia

Prof. Dr. Dominik Sierociuk

Faculty of Electrical Engineering; Institute of Control & Industrial Electronics Warsaw University of Technology, 00-662 Warsaw, Poland

Deadline for manuscript submissions

closed (31 December 2022)



Electronics

an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



mdpi.com/si/43507

Electronics Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 electronics@mdpi.com

mdpi.com/journal/ electronics





an Open Access Journal by MDPI

Impact Factor 2.6 CiteScore 6.1



electronics



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Ei Compendex and other databases.

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) / CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).